

# OSU and South Africa Collaborate to Combat Antibiotic Resistant “Superbugs”

## Purpose

The world is running out of effective antibiotics due to escalating rates of antibiotic-resistant “superbugs.” Years of overuse, misuse, and abuse of antibiotics in humans and animals created this public health crisis.

Hospitals are implementing antibiotic stewardship programs to optimize antibiotic use. In South Africa, a lack of infectious disease-trained pharmacists creates a challenge.

Our purpose is to develop an antibiotic stewardship outreach program and facilitate an OSU-South Africa pharmacists network to lead antibiotic stewardship programs.

## Impact

Antibiotic-resistant “superbugs” are escalating while new antibiotics are diminishing. OSU-South Africa “train the trainer” mentoring program will provide pharmacists with the necessary skill set to contribute to antibiotic stewardship.

Antibiotic stewardship outreach programs are most effective when they are multidisciplinary. South African pharmacists will learn how to monitor antibiotics and measure patient outcomes while working on a healthcare team.

Patient advocacy for antibiotic stewardship is needed. Social Media (Twitter) is used by the faculty to engage, connect, and educate health care providers and consumers.



## Ohio State Colleges/Units Involved

College of Medicine  
College of Pharmacy  
College of Veterinary Medicine  
Department of Medicine  
Infectious Diseases  
Department of Pharmacy  
OSU Digital First  
OSU Wexner Medical Center

## Community Partners Involved

Federation of Infectious Diseases of Southern Africa  
National Laboratory Services, AMPATH  
Netcare Ltd.  
Sefako Makgatho Health Sciences University College of Pharmacy  
South African Antibiotic Stewardship Programme  
South African Society of Clinical Pharmacists  
University of Cape Town Groote Schuur Hospital



## To get involved, contact:

**Debra Goff**  
**Clinical Associate Professor**  
**College of Pharmacy**  
**Infectious Disease Specialist**  
**Dept. of Pharmacy**  
**Wexner Medical Center**  
[debbie.goff@osumc.edu](mailto:debbie.goff@osumc.edu)  
<http://www.fidssa.co.za>



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